FEB. 24. 2006 3:00PM

(3) FISH & RICHARDSON 6175428906

NO. 8137 P. 3/10

Attorney Docket: 08919-069001 / 05A-881219

Applicant: Meng-Chang Chen

Serial No.: 10/043,648

Filed: January 10, 2002

Page : 2 of 9

Amendments to the claims (this listing replaces all prior versions):

1. (Currently amended) A system for managing a personal view for a user comprising:

a proxy, which tracks to track web pages that have been accessed by the user and extracts extract a topic page from the web pages;

a personal view constructor, which builds to build the personal view as a hierarchy of categories based on the topic page extracted by the proxy, the categories in the personal view being selected from a group of predefined categories; and

a personal view maintainer, which adjusts the hierarchy according to an energy value of each of the categories.

- 2. (Original) The system of claim 1 wherein the personal view constructor builds the personal view by mapping the topic page into a selected category in a superset of categories and updating a corresponding category in the hierarchy.
- 3. (Original) The system of claim 2 wherein the selected category has a category vector that is most similar to a keyword vector of the topic page.
- 4. (Original) The system of claim 2 wherein the corresponding category is an ancestor of the selected category in the superset of categories if the selected category is not in the hierarchy.
- 5. (Original) The system of claim 1 wherein the personal view maintainer splits off a child category from a parent category in the hierarchy if the energy value of the parent category is above a pre-determined threshold.
- 6. (Original) The system of claim 5 wherein the personal view maintainer chooses the child category that maximizes a gain value.

FEB. 24. 2006 3:00PM

Filed

(3) FISH & RICHARDSON 6175428906

NO. 8137

Attorney Docket: 08919-069001 / 05A-881219

P. 4/10

Applicant : Meng-Chang Chen

Serial No.: 10/043,648 : January 10, 2002

: 3 of 9 Page

(Original) The system of claim 1 wherein the personal view maintainer 7. periodically reduces the energy value of each of the categories.

- 8. (Original) The system of claim 7 wherein the personal view maintainer removes a child category from the hierarchy if the energy value of the child category is below a pre-determined threshold.
- 9. (Original) The system of claim 7 wherein the personal view maintainer merges information of the child category with information of the child category's parent in the hierarchy.
- (Original) The system of claim 1 further comprising a personal view display 10. to display the hierarchy of categories.
- (Currently amended) A method for managing a personal view for a user 11. comprising:

tracking web pages that have been accessed by the user; extracting a topic page from the web pages;

building the personal view as a hierarchy of categories based on the topic page, the categories in the personal view being selected from a group of predefined categories; and adjusting the hierarchy according to an energy value of each of the categories.

(Original) The method of claim 11 wherein building the personal view further 12. comprises:

mapping the topic page into a selected category in a superset of categories; and updating a corresponding category in the hierarchy.

(Original) The method of claim 12 wherein the selected category has a 13. category vector most similar to a keyword vector of the topic page.

NO. 8137 P. 5/10

Attorney Docket: 08919-069001 / 05A-881219

(3) FISH & RICHARDSON 6175428906

FEB. 24. 2006 3:00PM

Applicant: Meng-Chang Chen

Serial No.: 10/043,648 Filed: January 10, 2002

Page : 4 of 9

14. (Original) The method of claim 12 further comprising choosing the corresponding category that is an ancestor of the selected category in the superset of categories.

- 15. (Original) The method of claim 11 further comprising splitting off a child category from a parent category in the hierarchy if the energy value of the parent category is above a pre-determined threshold.
- 16. (Original) The method of claim 15 further comprising choosing the child category that maximizes a gain value.
- 17. (Original) The method of claim 11 further comprising periodically reducing the energy value of each of the categories.
- 18. (Original) The method of claim 17 further comprising removing a child category from the hierarchy if the energy value of the child category is below a predetermined threshold.
- 19. (Original) The method of claim 17 further comprising merging information of the child category with information of the child category's parent in the hierarchy.
- 20. (Original) The method of claim 11 further comprising alerting the user that new information has been added to the categories.

21-24. (Cancelled)

25. (New) A method comprising:

assigning an energy value to each category of a hierarchy of categories of web pages, the energy value of a category representing a user's degree of interest in the category, the energy value of a category being increased when a user accesses web pages belonging to that category.

FEB. 24. 2006 3:01PM

(3) FISH & RICHARDSON 6175428906

NO. 8137 P. 6/10

Attorney Docket: 08919-069001 / 05A-881219

Applicant: Meng-Chang Chen

Serial No.: 10/043,648 Filed

: January 10, 2002

Page : 5 of 9

(New) The method of claim 25, further comprising adjusting the hierarchy of 26. categories based on the energy value of each of the categories, including splitting off a child category from a parent category in the hierarchy if the energy value of the parent category is above a pre-determined threshold, indicating that the user's interest in the parent category is above a certain threshold.

- (New) The method of claim 26 in which adjusting the hierarchy of categories 27. includes removing a child category from the hierarchy if the energy value of the child category is below a pre-determined threshold, indicating that the user's interest in the child category is below a certain threshold.
- 28. (New) The method of claim 25 in which when the user accesses new web pages belonging to a category, the energy value of the category is increased based on cosine similarities between a category vector associated with the category and the new web pages, the category vector defining a topic of interest associated with the category.
- (New) The method of claim 25, further comprising periodically reducing the 29. energy value of each of the categories.
- 30. (New) The system of claim 1 in which the energy value of a category represents a user's degree of interest in the category.
- (New) The system of claim 30 in which the energy value of a category is 31. increased when a user accesses web pages belonging to that category.
- (New) The system of claim 31 in which when the user accesses new web 32. pages belonging to a category, the energy value of the category is increased based on cosine similarities between a category vector associated with the category and the new web pages, the category vector defining a topic of interest associated with the category.
- (New) The method of claim 11 in which the energy value of a category 33. represents a user's degree of interest in the category.

FEB. 24. 2006 3:01PM

(3) FISH & RICHARDSON 6175428906

NO. 8137 P. 7/10

Attorney Docket: 08919-069001705A-881219

Applicant: Meng-Chang Chen

Serial No.: 10/043,648

Filed: January 10, 2002

Page : 6 of 9

34. (New) The method of claim 33, further comprising increasing the energy value of a category when the user accesses web pages belonging to that category.

35. (New) The system of claim 34, further comprising, when the user accesses new web pages belonging to a category, increasing the energy value of the category based on cosine similarities between a category vector associated with the category and the new web pages, the category vector defining a topic of interest associated with the category.